# Derek L. Harris

**Campus Address**
450 Memorial Drive #E-214
Cambridge, MA 02139
Cell: (847) 477-3270
Email: harrisd@mit.edu

**House Address**
6110 Millbank Street
San Antonio, TX 78238
Home: (210) 520-8368

**Objective**   Obtain a computer science position within a progressive company that offers challenging projects and opportunity for growth.

**Education**   **Massachusetts Institute of Technology**                                            Cambridge, MA
*Bachelor of Science in Electrical Engineering and Computer Science, December 2003.*
Relevant Course Work:

| | |
|---|---|
| Circuits and Electronics | Communication, Control, and Signal Processing |
| Signals Systems | Probabilistic Systems Analysis |
| Feedback Systems | Computer System Engineering |
| Microcomputer Project Laboratory | Structure and Interpretation of Computer Programs |
| Microelectronic Devices and Circuits | Computation Structures |
| Electromagnetics and Applications | Artificial Intelligence |

**Experience**   **MIT, Computing Help Desk**                                            Cambridge, MA
*Student Consultant. October 2001 - Present*
Provide technical support to the MIT community on network connectivity and MIT supported software for PCs and MACs.

**Microsoft Corporation, .NET Compact Framework**                                            Redmond, WA
*Program Manager Intern. May 2003 - August 2003*
Developed design strategies to create .NET Compact Framework Service Pack 2 applications operating on new Pocket PC devices. Drafted Microsoft white paper design strategies to be released in the future. Programmed two .NET Compact Framework applications in C# and Visual Basic. Applications were designed using .NET Visual Studio.

**US Army Operational Test Command**                                            Ft. Hood, TX
*Engineering Technician Intern. June 2001 - August 2001*
Designed a project management database in MS Access to improve budget analysis, scheduling and tracking of milestone completions for present and future projects operated by the US Army. Collected and summarized information on Higher Level Architecture technologies/protocols for implementation of future modeling and simulation programs.

**Defense Information Systems Agency-Europe**                                            Stuttgart, Germany
*Computer Analyst Intern. July 2000 - September 2000*
Tracked circuit connectivity outages in the European Network and aided in the scheduling of circuit maintenance. Evaluated Visionael Software for network configuration management. Organized network data information in MS Excel spreadsheets and graphs to illustrate network performance.
**Secret Clearance.**

**Defense Information Systems Agency-Europe**                                            Stuttgart, Germany
*Engineering Aid Intern. October 1996 - June 1999*
Managed and analyzed data information for the European Secret Internet Protocol Router Network (SIPRNET) and Non-Secure Internet Protocol Router Network (NIPRNET). Designed topological drawings of circuit connectivity in the European Network for circuit configuration management using Visio. **Secret Clearance.**

**Skills**   *Hardware Experience*: Familiar with programming Intel 8051 Microprocessor and using test equipment such as oscilloscopes and multimeters. Also familiar with using ExpressPCB and PSpice for circuit layout design.
*Programming*: Familiar with C#, C++, Java, Visual Basic and Scheme.
*Computer*: Proficient in MS Windows 2000, MS Windows XP, MS Office XP and MS Visio.

**Activities**   Member of the Society of Mexican American Engineers and Scientists (Regional VP 2003, VP 2002), Society of Hispanic Professional Engineers, National Society of Black Engineers.

# Roland Valdez

◊ ◊ ◊

200 Nicho Esparza Dr. ◊ San Benito, TX 78586

Phone: (956) 456-1905 ◊ Email: rvaldezz1@panam.edu

## EDUCATION

San Benito High School – San Benito, TX: May 2000    GPA: 3.86    Rank: 10 of 465
UT Brownsville:  Summer 1999 – Spring 2000
University of Texas at Austin:  Summer 2000 – Spring 2001
Currently Attending:
> University of Texas Pan American   GPA:  3.0   Expected Graduation:   May 2005
> Currently a Junior pursuing a Degree in Electrical Engineering

## SKILLS

Experience with Tektronics TDS-340A and Instek OS-622 Oscilloscopes
Experience with American Reliance LPS-304 Power Supply
Experience with Fluke 45 and GW 8145 Multimeters
Experience with Lodestar FG-2102AD and HP 33120 Arbitrary Waveform Generators
Knowledgeable in C++ and Assembly programming and Pspice and MatLab Software
Familiar with Visual Basic programming and in Unix and Macintosh environment
Experience in computer assembly
Knowledge in linear video editing – Avid Express software- and non-linear editing
Fluent in Spanish

## VOLUNTERR WORK

CCD Instructor – St. Ignatius Church          Valley Protective Services Christmas Drive
South Padre Island Beach Clean Up           KRGBT-TV Help for the Heartland

## EXTRACURRICULAR ACTIVITIES

- Institute of Electrical and Electronics Engineers
- UTPA IEEE Robotics Team
- Society of Hispanic Professional Engineers
- Hispanic Business Student's Association
- National Hispanic Institute

- Longhorn's Solar Race Car Team
- UT Austin Preview Program
- College Career and Information Center – Student Advisor
- National Honor Society

## AWARDS RECEIVED

University of Texas at Austin – Presidential Achievement Scholarship Tier I
University of Texas at Austin – Academic Leaders Institute
Leal Hinojosa Family Scholarship
College Career and Information Center Scholarship
UT Pan American Computer Science Competition – Honorable Mention '99 & '00
Texas A&M at Kingsville Computer Science Competition 2000 – First Place
United States Academic Octatholon – Second Place Science
Macy Scholar
National Ventures Scholar

*handwritten notes in margins:*

# Michelle Rivera
1600 Wickersham Ln. Apt. 1071
Austin, TX 78741
512-389-2695
mrivera228@hotmail.com

**Objective**

Seeking an internship in a professional atmosphere which will enhance my technical skills and allow me to develop as an engineer.

**Education**

**Bachelor of Science, Electrical Engineering with Minor in Spanish, May 2006**
The University of Texas at Austin

**Related Courses**

Introduction to Electrical & Computer Engineering, Differential & Integral Calculus, Introduction to Computing, Circuit Theory, Digital Logic Design, Advanced Calculus for Applications, Engineering Physics I & II, Introduction to Programming, 6 Semesters of Spanish

**Experience**

08/03 - Present

**Office Staff, Equal Opportunity in Engineering**

Working as a student worker in the EOE office, I am there to facilitate the workload of the directors of the program and also coordinate/manage some of the outreach programs EOE offers students. I also assist and supply students with any type of information that might be to their advantage. I catalog and inventory office computers, collect and analyze data, and assist EOE staff in day to day operations as well as maintain office bulletins and websites.

06/03 – 08-03

**Cashier, Army & Air Force Exchange Service**

Helped satisfy customers to the best of my abilities by supplying them with the adequate attention and consistency needed to accommodate their requests.

03/99 – 12/01

**Crew Chief, McDonald's Restaurant**

Overlooked crew team and helped management keep orderly take of store. Communicated with customers and maintained a professional attitude to properly handle any disputes that might have risen regarding complaints or comments.

**Skills**

Fluent in English and Spanish
Microsoft Word, Excel, Powerpoint, Outlook
Experienced in VHDL, C, C++, LC-2, Java, PSpice, LogicAid, Simuaid, Microsoft and UNIX Operating Systems
Very personable with strong communication and leadership skills

**Accomplishments**

Longhorn Opportunity Scholar
Baumberger Endowment Scholar
Fraternal Order of Eagles Scholar

**Activities**

Society of Hispanic Professional Engineers, Member since 2002
Pi Sigma Pi Minority Engineering Society, Member since 2002
Helped in the coordination of the Regional Student Leadership Conference hosted by the Society of Hispanic Professional Engineers.
Helped in high school outreach program as a tour guide to recruit minority high school students for the College of Engineering. (World of Engineering)

Employability Status: **US Citizen / Permanent Resident**

# Maida Lopez

6609 South Figueroa Street                Email: maidalopez@hotmail.com                Home: (323) 778-4750
Los Angeles, CA 90003                                                                                     Mobile: (323) 893-0979

| | |
|---|---|
| **Objective** | Seeking for a full time Entry-Level position in the field of Electrical Engineering. |

**Education**

| | |
|---|---|
| **California State University, Los Angeles (CSULA)** | **Expected Graduation Dec 2005** |

Master of Science in Electrical Engineering

| | |
|---|---|
| California State University, Los Angeles | **Graduation date June 2003** |

**Bachelor of Science in Electrical Engineering** (emphasis in Power and Communications) GPA 3.1/4.0

**Relevant Courses**

| | | |
|---|---|---|
| Electric Power System Analysis | Electric Machines | Communication Lab |
| Power Transmission Lines | Electric & Magnetic Fields | Coding to Communication |
| Electro Magnetic Energy Conversion Lab | Systems Analysis | Digital Communication |
| Power Electronics | Circuit Analysis | Digital Signal Processing |

**Work Experience**

**Boeing - Integrated Defense Systems, Huntington Beach, CA**

- Intern Engineer - Orbital Space Plane Program (OSP)                **August 2003-Present**
  Compile source data for all potential aircraft C and land transportation for development of a genetic spreadsheet to be used in a selection for moving OSP assembled hardware.
- Summer Intern                                                                           **June 2003-July 2003**
  Supported circuit schematic updates (revisions) and laboratory testing for 5KW Orbiter Power Converter Unit IRAD in association with providing missions that allow for extended-docking-stays of the orbiter while parked at the Space Station (ISS).

**NASA Sharp Program, CSULA**

- Residential Assistant                                                                  **June 2003-August 2003**
  Supervised 20 out of state high school students and provided enrichment activities.

**Southern California Edison - SCE**

- Saugus Contingency Project - Power Development Team Member                **January 2003-April 2003**
  Assisted in providing a solution to minimize the power load on the Saugus "A" Bank System.
  Tools Used: "A" Bank Program, One line Diagram, Sub-Transmission Criteria Handbook, Grid Control Center Diagram (GCC), Positive Sequence Load Flow (PSLF)

**Precollegiate Academic Development Program - PAD, CSULA**

- Math Tutor                                                                                   **September 2000-June 2003**
  Mentored and tutored middle school students in math, and facilitated workshops that provided teachers with information about CSULA

**Jaime Escalante Program - East LA College**

- Math Tutor                                                                                   **July 2000-August 2000**
  Assisted students with mathematical problems.

**Office of Outreach and Recruitment/CSULA**

- Recruiter                                                                                     **September 98-April 2000**
  Promoted and arranged field trips to CSULA, explained University Requirements, maintained public relations and counseled students

**Activities & Awards**

| | |
|---|---|
| **CSULA, Who's Who Recipient** | Winter 2003-Present |
| **Society of Hispanic Professional Engineers**-Scholar | Fall 2002-Spring 2003 |
| **Frito-Lay**- Scholar | Fall 2002-Winter 2003 |
| **T-Howard Foundation (Boeing)**-Scholar | Fall 2002 |
| **Tau Beta Pi**-Vice President | Fall 2002 |
| **Society of Women Engineers**-President | July 2001-June 2002 |
| **Institute of Electrical and Electronics Engineers** | September 2001-Present |
| **Banquet Committee**-Finance Chair, Secretary | 2000, 2002 |

**Skills**

| | | | |
|---|---|---|---|
| Positive Sequence Load Flow (PSLF) | Microsoft Word | Visio Tech | P-Spice |
| Bilingual: Fluent in Spanish | Excel | C Programming | Mat-Lab |

# Tiffany C. Arzate

tarzat@unm.edu • (505) 459-6031

3684 Tower Road SW • Albuquerque, NM

## Objective

To obtain a full-time employment that utilizes my engineering problem solving skills.

## Education

Bachelors of Science in Electrical Engineering, December 2003
School of Engineering- University of New Mexico, Albuquerque NM

## Leadership Experience

- United States Army Reserve Platoon Sergeant (SSG), May 2003-present
- Hispanic Engineering Science Org. Corporate Contact Chairperson, May 2003-present
- Computer Science 150 Lab Instructor, January 1999-present

## Computer Skills

- Proficient in Microsoft Windows and UNIX operating systems
- C++ and Perl programming skills

## Experience and Accomplishments

*NASA DEVELOP New Mexico*  August 2003 - June2003
**Deputy Director**  Albuquerque, NM

Established the first DEVELOP remote site in the Western Governors Region.  Created and implemented budget.  Defined and presented summer projects to the Public Service Company of New Mexico (PNM) for funding.  Deliver $10,000 Wind Energy Project for PNM.

*NASA Langley Research Center*  May 2002 - August 2002
**DEVELOP Student Intern**  Hampton, VA

Researched community concerns in collaboration with the Digital Earth Virtual Environment Outreach Program (DEVELOP).  Presented Remote Sensing Applied to Solar Power Implementation in the state of New Mexico, as 3D "fly-through" visualization model for NASA Headquarters and other customers.

*Intel Corporation*  January 2001 - August 2001
**Engineering Intern**  Rio Rancho, NM

Supported Logic Engineering by running test programs and preparing chip-set testers for engineering development.  Assisted with New Product Introduction troubleshooting and data analysis.  Improved efficiency with data extraction tools and engineering-manufacturing communication tools.

*Albuquerque High Performance*  June 2000 - December 2000
*Education and Research Center*  Albuquerque, NM
**Student Systems Administrator**

Solved Help Desk requests.  Coordinated and Operated Access Grid Nodes used for network multi-casting.  Maintained a secure network running security reports and implementing necessary changes.

1020 SW 44 AVE        PHONE: 305-447-0580
MIAMI, FL 33134       E-MAIL: ICVIVANCO@HOTMAIL.COM

# Ivan Carlos Vivanco

**Objective**

To obtain an internship position in the field of engineering that will enhance practical knowledge and provide hands-on experience.

**Education**

May 2004              University of Miami              Coral Gables, FL

**Bachelor of Science in Electrical Engineering**

- Cumulative GPA: 3.56
- Honors Program, Dean's List, and Provost's Honor Roll

**Experience**

2000 - Present        University of Miami              Coral Gables, FL
                      Department of Wellness and Recreation

**Payroll Assistant**

- Handle the hiring and termination processes of student employees
- Responsible for the tabulation and submittal of employee timesheets
- Maintain accurate records and work to ensure over 300 student employees are paid correctly on a biweekly basis

**Mini Canes Recreational Sports Camp Counselor**

- Supervised children staying in extended care
- Helped maintain clean and orderly facilities; assisted in child pick-up

**Computer Assistant**

- Designed and edited flyers, posters, handbooks, newsletters, applications, and forms pertaining to all aspects of the facility
- Produced web pages for the Department of Wellness and Recreation

1996 - 2000          Mercy Hospital              Coconut Grove, FL

**Volunteer**

- Worked in laboratory helping the public, organizing and distributing paperwork and specimens, and assisting the technicians

**Activities & Awards**

- Bowman Ashe, Florida Academic Scholars, Florida Byrd, and Mas Family scholarships recipient
- Society of Hispanic Professional Engineers
- Association of Cuban American Engineers
- Department of Wellness and Recreation Employee of the Semester – Summer 2001

**Skills**

- Fluent in Spanish
- Proficient in Microsoft applications: Word, Excel, Access, PowerPoint
- Extensive experience in Quark Express, PageMaker, Adobe Photoshop and Illustrator for both Macintosh and Windows platforms
- Knowledgeable in C, C++, AutoCAD, MATLAB, PSpice, Mentor Graphics, MAX+plus II, Assembly, VHDL, and UM-MAAD (University of Miami Microwave Amplifiers Analysis and Design)
- Familiar with Webpage editing

# Hector Rodriguez

11261 S.W. 159 Street                                                                (305)-233-0977
Miami, FL 33157                          hrodriguez@miami.edu

## OBJECTIVE
Seeking an internship in the area of Biomedical or Electrical Engineering to add practical experience to academic knowledge.

## EDUCATION
University of Miami, Coral Gables, FL, **Bachelor of Science in Electrical and Biomedical Engineering**, December 2004.
GPA: 3.7

## EXPERIENCE
October 2000 - Present
   Assistant System Administrator, *Telecommunications/Information Technology, University of Miami*
- Assign telephone numbers on customer change orders and new requests.
- Mitigate digital and analog port assignments for outgoing orders.
- Validate and update service orders for processing by accounts receivable.

## HONORS
- Florida Bright Futures
- Henry King Stanford Scholarship
- Ann Bachelor College of Engineering Scholarship
- Murray I. Mantell Scholarship
- Provost's Honor Roll
- President's Honor Roll
- Dean's List

## ACTIVITIES
- Society of Hispanic Professional Engineers
- National Society of Collegiate Scholars
- University of Miami Honors Program
- Alpha Eta Mu Beta National Biomedical Engineering Honor Society Initiate
- Tau Beta Pi National Engineering Honor Society Initiate
- Eta Kappa Nu National Electrical Engineering Honor Society Initiate
- Adopt a Tree Program

## SKILLS
Knowledge of:
- Microsoft Office Tools
- Auto-Cad
- Office
- P-Spice
- Intermediate C++ Programming
- Fluent Spanish Speaker
- Mentor Graphics (familiar)
- Max Plus II (familiar)

## COURSEWORK
- Biomedical Transport Phenomena
- Linear Integrated Circuits
- Biomedical Measurements
- Biomaterials
- Electronics
- Physiology
- Biomechanics
- Digital Signal Processing

# Aaron Escalante

P.O. Box 68
Hargill, Tx. 78549
Cell Phone (956) 358-1258
Home Phone (956) 845-6178
**aescalante@panam.edu**

## OBJECTIVE

My objective is to obtain a full time position in my field of study, electrical engineering.

## EDUCATION

**2000 - 2003**  **University of Texas Pan-American**, Edinburg, Tx.  **Major**  Electrical Engineering
BSEE awarded in May 2003
**GPA:** 3.148

**2003-Present**  **University of Texas Pan-American**, Edinburg, Tx.  **Major**  Electrical Engineering
Enrolled in Electrical Engineering Graduate Program

## RELEVANT EXPERIENCE

Senior Design:  Wireless Data Monitoring System
- Constisted of placing sensors on the Mini-Baja Race Car
- Monitoring the performance of the vehicle by creating a GUI
- Monitoring would be done wirelessly and reach to at least a quarter mile

## WORK EXPERIENCE

Academic Tutor:  Edinburg Consolidated Independent School District
February 2000 to May 2000
- Reinforced the material taught in class
- Tutored Geometry for students below average

Substitute Teacher:  Edinburg Consolidated Independent School District
August 2003 to Present
- Reinforces material taught class when teacher is unable to attend
- Assumes teaching responsibilites when teacher is unable to attend

## COMPUTER SKILLS

Visual Basic, C++, Pascal, VHDL, MatLab, PSPICE, ORCAD, Microsoft Office

# Milton Martinez

736 Dindinger RD.
El Paso, TX 79927-3026
(915)-851-1024
mmartinez1@elp.rr.com

## OBJECTIVE

To obtain a professional internship or cooperative education program in the field of Electrical Engineering for the summer of 2004.

## EDUCATION

**University of Texas at El Paso (UTEP)**   El Paso, TX        August 2000–Present
Expected Graduation May 2004
- Bachelor of Science, Electrical Engineering
- Overall G.P.A 3.08/4.00

**Relevant Courses**
- VLSI Design I EE 4375
- Integrated Circuits and Semiconductors EE 4350 (microelectronic fabrication)
- Electronic Devices EE3329
- Signals and Systems EE 3353
- Electronic Networks EE 3438
- Microprocessor Systems I EE3376

**Honors and Activities**

| | |
|---|---|
| Electrical Engineering Student Advisory Board | Fall 2002 – Present |
| Chairman | May 2003 |
| Institute of Electrical and Electronic Engineers | Fall 2001- Present |
| Top Ten Percent of Sophomore Class Golden Key award | Fall 2001 |
| Dean's List | Spring 2001 |

## EXPERIENCE

**Southwest Die Corp.**   El Paso, TX                          June 2000–Present
Engineering Co-op
- Design circuitry and sketches for original automation equipment.
- Assemble electronic components and technical manuals, using knowledge of electronics.
- Standardize procedures to improve efficiency, and eliminate errors.
- Sketch diagrams to clarify design details and criteria of experimental electronics units.
- Calculate and set machine controls to position tools, regulate cutting depth, and feed.
- Prepare purchase requisitions and purchase orders for supplies and equipment.
- Offer documentation and drawings about how equipment is used and maintained.
- Provide on-site technical assistance to customers and initial installation support.

## SKILLS

- Proficient in AutoCAD 2000
- Broad use of Microsoft Office
- Experience with Capture CIS
- Familiar with Altera Maxplus 2
- Practice of programming in C/C++
- Able to adapt to new software and tasks with minimal explanation
- Bilingual (English – Spanish)
- Knowledge of Assembly language
- Dexterity of finding adequate research material

REFERENCES: Available upon request

# ESMERALDA MARTÍNEZ

School address
Martel College
99 Sunset Blvd.
Houston, TX 77005
esme@rice.edu

Permanent address
217 Exchange Place
Allen, TX 75013
(972) 359-0581

**OBJECTIVE**  Seeking an opportunity to build experience in the field of Electrical Engineering.

**EDUCATION**  **Rice University, Houston, TX**
B.A. in Electrical Engineering and Hispanic Studies expected May 2004.
GPA: 2.83/4.0

*Relevant Course Work I*: Introduction to Principles of Scientific Computing, Intermediate Programming, Ordinary Differential Equations, Multivariable Calculus, Matrix Analysis, Electricity and Magnetism, Fundamentals of Electrical Engineering I, II, Introduction to Computer Organization, Introduction to Signals, Digital Logic Design, Digital Signal Processing, Introduction to Physical Electronics, Introduction to Engineering Design.

*Relevant Course Work II*: Advanced Spanish for Bicultural Students, Culture and Civilizations of Latin America, Studies in Latin American Literature, Survey of Spanish Literature, Studies in Hispanic Linguistics, Contemporary Mexico, Hispanic Cinema.

**SKILLS**  Computer: UNIX, Microsoft Word and Excel, MATLAB, Java.
Language: Fluent in Spanish

**EXPERIENCE**  **Center for the Advancement of Hispanics in Science and Engineering Education,**
**Young Educators Program,** Chicago, IL, Washington DC
*Instructor, Summer 2003*
Taught Integral Calculus for five weeks to minority high school students. Prepared lesson-plans, notes, homework, tests, quizzes and activities. Represented all Chicago educators' in Washington DC and delivered closing speech. Wrote extensive reports on students and overall experience.

**Texas Instruments Inc.**, Richardson, TX
*Intern, Summer, 2000*
Conducted manual and computer-programmed noise testing of sample chips for Mixed Signal Processing development group. Recorded and analyzed data. Participated in group meetings and planning.

**Dean of Engineering's Office**, Rice University
*Receptionist, 2002- Present*
Operated telephone, welcomed guests, and assisted staff in office projects.

**The Men's Wearhouse**, Dallas, TX
*Sales Associate, Summer of 2001, 2002*
Assembled and conducted elaborate merchandise presentations. Networked with clients and maintained company mailing lists.

**ACTIVITIES &**  **Hispanic Association for the Cultural Enrichment at Rice**
**HONORS**  Conducted Latino and Non-Latino Communication Improvement presentation. Current website editor.

**Heritage Organization of Latin America**
Choreographed for cultural awareness show.

**Association of Latin American Scientists and Engineers**
Attended National Technical and Career Conference- SHPE, New Orleans 2003. Member of SHPE and MAES. Current treasurer.

**Houston Scholars Program**, Houston TX
Tutored high school student participants in mathematics and physics. Mentored and created fun learning environment for the female students.

**Barrio Center**

**North Texas Refugee Center**

**Recipient of the Society of Latino Alumni at Rice Leadership Award 2002**

2306 N. MCCOLL • EDINBURG, TX 78541
PHONE (956)821-1526 • E-MAIL J_N_ORTIZ@HOTMAIL.COM

# JOSEPH NATHANIEL ORTIZ

## OBJECTIVE

To obtain a position as an electrical engineer in research and development upon graduation in May 2004.

## EDUCATION

University of Texas – Pan American
*Primary Major: Electrical Engineering*
*Secondary Major: Mathematics*

- Classification: Senior
- Expected Date of Graduation: May 2004
- Number of Hours: 151
- GPA: 3.384
- GRE: Verbal – 540; Quantitative – 780; Writing – 5.0

Edinburg North High School

- Date of Graduation: June 2000
- GPA: 102.71 out of 100 (weighted)
- ACT Composite: 32

## COURSES

Engineering:

- Communication Networks
- Introduction to VLSI
- Introduction to Image Processing
- Digital Signal Processing
- Automatic Control Systems

Mathematics:

- Linear Algebra
- Modern Algebra
- Introduction to Real Analysis
- Applied Statistics
- Theory of Numbers
- Discrete Structures

## AWARDS RECEIVED

- Wal-Mart Competitive Edge Scholarship
- Hearst Foundation Scholarship
- General Engineering Scholarship at University of Texas - Pan American
- University Scholars Scholarship
- Alliance for Graduate Education and the Professoriate Summer Research Institute Participant

- Valedictorian at Edinburg North High School
- National Hispanic Merit Scholar
- AP Scholar with Honors
- AP Diploma Recipient
- Rotary Youth Leadership Award Recipient

## LANGUAGES AND SOFTWARE

Spoken Languages:
- English, Spanish

Programming Languages:
- C++, Pascal, Matlab

Other Computer Programs:
- PSPICE, Microsoft Office, VHDL, Galaxy VLSI

## WORK EXPERIENCE

September 2000 – March 2001                    Edinburg North High School
*Tutor*
Tutored students in Algebra, Geometry, and in preparation for TAAS exam.

October 2002 – January 2003                    Best Buy
*Media service personnel*
Worked in the department of video games, music, movies, and software.

January 2003 – May 2003            University of Texas – Pan American
*Tutor*
Tutored underclassmen in the Electrical Engineering department.

June 2003 – August 2003        State University of New York at Stony Brook
*AGEP SRI Participant*
Participant of the Alliance for Graduate Education and the Professoriate
    Summer Research Institute 2003. Did research in applied statistical
    analysis.

September 2003 – Present              University of Texas – Pan American
*Grader*
Grader for senior level mathematics class, Introduction to Real Analysis.


VOLUNTEER EXPERIENCE

Spring 2001 – Helped coach girls softball team (ages 13-14)

February 2000 – Helped to build anti-drug parade float

October 1998 – Collected non-perishable items for hurricane victims


EXTRACURRICULAR ACTIVITIES

Fall 2000 – Present
- IEEE and SHPE active chapter member

April 2003
- Attended IEEE Region V Conference in New Orleans, LA

May 2003 – Present
- IEEE student chapter vice-president


REFERENCES

Dr. Stephen J. Finch
- Professor and Mentor, State University of New York at Stony Brook
- Email: sfinch@gis.net

Dr. Miguel Paredes
- Professor and Mentor, University of Texas – Pan American
- Email: paredes@panam.edu

Dr. Monty Taylor
- Professor, University of Texas – Pan American
- Email: taylor@panam.edu

mobile

**Albert Gonzalez**
7844 N. ValVerde
Donna, TX 78537
stunna1_1203@yahoo.com

Primary Phone: 956-461-5634
Secondary Phone: 361-779-3598

**OBJECTIVE**  To obtain an internship/co-op in a related electrical/electronic engineering work environment.

**EDUCATION**  8/2000 - 12/2004   University of Texas – Pan American   Edinburg, TX

Pursuing Bachelor of Science in E.E
Expected Graduation date: *December 2004*
Some Completed Courses: Calculus I, II, & III, Differential Equations, Physics I & II, Intermediate Physics I & II, Engineering Graphics, Digital Systems I/Lab, Network Theory I & II/Lab, Chemistry I, Computer Science C++, Junior Electrical Engineering Lab I & II, Electronics I & II, Electromagnetic Engineering, Probability & Statistics for EE, Communication Theory, Math for EE, Microprocessor Programming, Automatic Controls, Solid State Electronic Devices

**Cumulative GPA**: 3.07
Minor: Business Administration

**EXPERIENCE**  7/2003 – 10/2003   Circuit City   McAllen, TX
**Technology Specialist**
Electronics salesperson including desktop/laptop computer systems, networking accessories, software, telephones, camcorders, and digital cameras.  Answered customers' questions in person and over the phone, collected payment at register.

6/2002 - 8/2002   TicketMaster   Pharr, TX
**Ticket Sales Representative**
Answered phones for TicketMaster and sold tickets for most sporting/entertainment events throughout the country.  I searched for the desired event and recorded the address and payment for tickets.

6/2001 - 8/2001   DIRECTV   Pharr, TX
**Entertainment Agent**
Answered phones for DirecTV and helped customers with many issues such as billing, taking payments, ordering pay-per-view movies, activation, trouble-shooting, and other similar questions.

6/1999 - 8/2000   First Data Corporation   Corpus Christi, TX
**Customer Service Representative**
Activated American Express cards over the phone, and made outbound calls to American Express Blue card members, mailing out cards to the new addresses.

**SKILLS**  Bilingual-Spanish, C++, MaxPlusII, PSPICE, OrCAD, AutoCAD, Powerpoint, Excel, Word, Soldering, MATLAB

**ADDITIONAL INFORMATION**  Graduated in top 5 percent in high school 2000
Who's Who Among High School Students 1998-2000
The National Dean's List 2001-2002
Wal-Mart Excellence Scholarship, SWB Engineering Scholarship, Boeing Scholarship

# ANTONIO QUEVEDO

1417 Pleasant Dr.
Dallas, TX 75217
((214) 566 - 9966
axq4952@exchange.uta.edu

## STATEMENT
-Electrical Engineering senior graduating in May 2004 seeking an opportunity to utilize skills obtained in engineering. R&D work preferably.

## EDUCATION (Currently a Senior)
-2000-Present Pursuing BSEE, University of Texas at Arlington. Grad date May04
Overall GPA 3.3 /4.0, Electrical Engineering GPA 3.54
-1999-2000 Jarvis Christian College 3.73/4.0

## QUALIFICATIONS
-Team player and a leader at the same time. Able to adapt to different situations rapidly. Have taken up positions of leadership involving different dynamics of a group.

## SKILLS
-C Programming, P-Spice, Bilingual, Circuits Analysis, MatLab, Fourier Transform, Semiconductor Techniques, MEMSPRO, EM Scattering, Proposal & Technical Writing

## WORK EXPERIENCE
Aug 03- Present     Automation Robotics Research Institute- Research Assistant in MEMS group. Researching electroforming of high aspect ratio structures using copper and development of interdigitated electrodes to detect chemical agents to improve Homeland Security.

Jan 03 – Aug 03     University of Texas at Arlington – Research assistant in the Wave Scattering Research Center. Studied theoretical and practical techniques in interpretation and recovering data.

May 02- Aug 02     Westinghouse Savannah River Company- Engineering Asst. Assisted Engineers with instrument research, data evaluation, structural design, reviewed process and instrumentation designs for structure, operation, and maintenance.

May 99-Aug.99     Delta Airlines Inc. – Assistant Airline Mechanic Responsible for general maintenance of aircraft.

## ACTIVITIES
-Sigma Lambda Beta Fraternity- *Vice President*
-Society of Hispanic Professional Engineers- *member 4 yrs*
-Attended National Leadership Conference

## AWARDS
-NSF Research Experience for Undergrad Scholarship recipient Fall 02&03
-Dean's List at Jarvis Christian College Spring 2000
-Hispanic Scholarship Fund Recipient 2001, 02, & 03
-Who's Who academic award for college students in America- 2001
REFERENCES: available upon request

Ricardo Mata

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Pharr, TX 78577
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Cell: (956) 624-1345
email: rickm4444@yahoo.com

**OBJECTIVE**: A position related to electrical engineering and a chance to obtain more experience from a company with high regard in the aerodynamics field.

## QUALIFICATIONS

I will graduate on December 2003 with a major in Electrical Engineering and a minor in Business Administration. I have obtained a significant amount of knowledge in the electrical field thanks to my mentors at school and the work place. During my three year employment with Villars Consulting Engineers, I was fortunate to be entrusted with a key role and responsibilities that allowed me to acquire a broad experience in the application of engineering, design & project management of Electrical, HVAC & Plumbing Systems for the building industry. I feel this experience has helped me develop a strong and solid foundation in practical and theoretical applications, as well as, management and people skills.

## EDUCATION

University of Texas Pan American
- Major -  Electrical Engineering
- Minor - Business Administration
- Senior status - Fall '03

## EMPLOYMENT

2001-2003     Waiter, Kumori
As a waiter I learned one of the most difficult skills, working and dealing with people, which I think has improved my communication and public relations skills a great deal.
I am not only responsible for my own duties but also I oversee and provide help to new staff to help them provide the best service for the customer.

1997-2001   Drafter, Villars Consulting Engineers
During my time in this company I learned several principles and skills related to the engineering design, both office and field work, while under the supervision of the head engineer of the firm. My duties and responsibilities included but were not limited to the following:
- Project Engineering and Management
- Engineering & Design of Mechanical, Electrical & Plumbing Systems for New and Existing Commercial, Governmental & Municipal Building Projects. Projects included Schools, Office Buildings, Fire Stations, Retail, Industrial Buildings, Restaurants among other building types

1997-2001   Drafter, Villars Consulting Engineers (cont.'d)

- Construction Administration including shop drawings and field compliance inspections and meeting attendance with owners, architects and contractors followed with the preparation of meeting minutes and site visit reports.
- AutoCad Design-Drafter
- Responsible for project set-up, assembly and completion of MEP Plans and Specifications in accordance with Company Standardized Project Format, ready for final review and editing by my direct supervisor.
- Specific Engineering & Design related tasks included, but were not limited to:
  - Prepare List of Plans & Specifications; then, assemble drawing sheets with architectural, floor backgrounds and standardized MEP schedules, details, legends and specifications.
  - HVAC Load Calculation & Analysis, Equipment Selection, Air Distribution System Layout, Design & Sizing
  - Plumbing Piping Systems Layout and Riser Diagrams
  - Electrical layout & circuiting for lighting and power distribution systems, panel schedules, load calculations & analysis, coordination with suppliers for lighting selections.
  - Field Surveys, C.A. reports
- Office Management Assistant
- Troubleshoot problems with computers, printer and plotters.
- Maintain computers running in good condition, securing, back-up, synchronizing and coordinating transfer of information with architect, contractors and owner.
- Set up computers/ printers and plotters, computer dialers

## SKILLS

Computer Skills Strong PC Computer Literate
- Knowledge and experience working with Math Lab
- Hardware and software installation
- MP3/WAV sound files
- Microsoft work, Microsoft office
- Access to internet, E-mail
- Unix Commands (some)
- Strong Auto cad design skills and hands on experience
- HTML

Public Relation Skills
- Event promotions in school and work
- Power point presentations

Office Skills
- Typing
- Filing
- Letters/memos
- Printing/photocopying/plotting

# Szu-Heng Steven Tseng

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tseng.szu-heng@mail.utexas.edu

**Permanent Address**
2815 St. Francis Forest Drive
Lake Charles, LA 70605
337-474-9710

**Objective**      Full-time position in Electrical Engineering

**Education**      **Bachelor of Science, Electrical Engineering, December 2003**
The University of Texas at Austin
Overall GPA: 3.13/ 4.00

### Related Courses

Analog Integrated Circuit Design, Antennas and Wireless Propagation, Applied Thermodynamics, Circuit Theory, Data Structures in C++, Digital Systems Design using VHDL, Electronic Circuits I, Electromagnetic Engineering I, Engineering Economics, Introduction to Automatic Control, Introduction to Microcontrollers, Linear Systems and Signals, Modern Optics, Modern Physics, Solid-State Electronic Devices, Probability, Statistics, and Random Processes

**Experience**

09/03/02 - 12/20/02      **Project Engineering Co-op (work term #2), Solutia Inc.**
-Worked on several projects under the guidance of Senior Instrumentation and Electrical Project Engineers
-Project engineered the installation of a vibration monitoring system on a main centrifuge at the Solutia Chocolate Bayou Plant
-Trained incoming Electrical Engineering co-ops
-Maintained a project expenditure spreadsheet for all projects at the Solutia Chocolate Bayou Plant for the year of 2002

01/07/02 - 05/30/02      **Project Engineering Co-op (work term #1), Solutia Inc.**
-Assisted Senior Instrumentation and Electrical Project Engineers in their projects
-Assisted in the project engineering of a laser pulse level meter for an agitator tank at the Solutia Chocolate Bayou Plant
-Created and maintained a project expenditure spreadsheet for all the projects worked on at the Solutia Chocolate Bayou Plant for the year of 2002

05/10/98 - 08/15/99      **Cashier, Hong Kong Restaurant**
-Balanced the daily accounts of the restaurant
-Interacted with customers
-Trained new workers

**Skills**      Proficient with analytical tools including Multimeter, Oscilloscope, and He-Ne laser
Skilled in Microsoft Office (Word, Excel, PowerPoint, Access)
Experienced with Windows, UNIX, and Linux operating systems
Proficient in C++, Java, Visual Basic, VHDL, and HTML
Experience in Cadence, LabView, and Pspice

**Accomplishments**      Westlake Group Academic Scholarship
Member, Freshman Engineering Association (FEA)
Member, Institute of Electrical and Electronics Engineers (IEEE)
Member, Marine Aquarist Association of South Texas (MAAST)

Employability Status: **US Citizen / Permanent Resident**

# Walter A. Castillo
wcasti1@lsu.edu

Permanent:                                          Current:
8301 Birch St.                                      550 Lee St. apt. # 16
New Orleans, LA 70118                               Baton Rouge, LA 70808
Phone: (504) 865-8724                               Phone: (504) 909-8725

**Objective**     Obtain Co-Op or internship to gain valuable experience and to enhance knowledge of the technical aspect of the engineering field.

**Education**

Louisiana State University                          Baton Rouge, LA
Major: Electrical Engineering Bachelor of Science
Anticipated graduation December 2005
GPA in Major: 3.0

**Skills**

Engineering Software: PSPICE, MatLab, and Mathematica
Knowledge of C, FrontPage, and PowerPoint
Proficient in the use of Microsoft Word and Corel WordPerfect

**Employment**

8/2001-Present

Troy H. Middleton Library                           Baton Rouge, LA
Student worker Government Documents/Microform Dept.
Assist patrons finding materials using online catalog and the WorkFlows database system. Organizing and shelving government documents such as Senate reports and annual reports.

6/03-8/03     Taqueria Corona                       New Orleans, LA
Worked as a waiter, with multi-functions such as bartending, answering phone calls, and taking inventory.

**Organizations**

Society of Hispanic Professional Engineers
Gamma Phi Gamma, Latin Fraternity

*Elect ; Jr. (~~Sr.~~*
*Summer .*

# Jesus Perozo
P.O. Box 2284 Valrico, Fl 33595 - Phone (813) 767-2637
E-mail: jesusperozo@juno.com

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**Objective:** Acquire an internship in Electrical Engineering to utilize and strengthen my academic knowledge, work ethics, team work and leadership skills.

**Education:** **University of South Florida** - Tampa, FL
Bachelor of Science in Electrical Engineering      May 2005
Current GPA 3.87/4.00

**Course Work** Electrical Systems, Electronics I & II, and Network Analysis.

**Work Experience:** May 2003 – August 2003          **Bausch & Lomb, Tampa,  Florida**
*Intern for the Validation Department:*
- Executed pre-calibration and post-calibration for temperature studies using Data Tracers.
- Created the first database of the entire packaging and filling machinery using their respective line speeds to improve the processes.
- Recorded down time for some packaging lines for the Lean Manufacturing Team.
- Wrote protocol for the Environmental Monitoring System in the Sterility Suite and Microbiology Labs.
- Assisted engineers execute protocols in the Autoclave using Data Tracers.

May 2002 – August 2003          **Baxter HealthCare, Largo, Florida**
*Intern for the Sustaining Engineering Management Group  in R&D:*
- Improved process and testing of volume flow sensors for dialysis machines.
- Wrote Engineering Change Request (ECR).
- Assisted engineers with tests and measurements of temperature inside the System 1000 dialysis machine.
- Provided assistance to technologists and technicians with the dialysis machines to accelerate the process.

**Skills** Microsoft Office:  Word, Excel & Access
P-SPICE, Data Trace, AutoCAD, HTML, and Web browsing.

**Volunteer Work** University of South Florida Engineering EXPO 2003 – IEEE Laser Show
Community Service Chairman for the Society of Hispanic Engineers 2003 - present

**Affiliations:** Member of Society of Hispanic Professional Engineers, 2001 – present
Engineering Transition Society, 2001 – 2002
Phi Sigma Theta National Honor Society, 2002 - present

**Awards** University of South Florida Provost's Scholars, 2001 – 2002
College Dean's List, 2001 – 2002
Hispanic Academic All-Stars given by Univision Channel 62, 2001
Prudential Community Award, 2001
Youth of the Year 2000 given by Tampa Police Department
Presidential Classroom Scholar, 2000

**Languages** Fluent in Spanish and English

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San Juan, Tx  
78589  

Mobile: 956-460-6240  
Home: 956-781-3202  
E-mail  
alugo2@panam.edu

# Andres Lugo

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**Objective**

To obtain and internship for the summer of 2004.

**Education**

1997-2001  P.S.J.A. High School   San Juan, Tx

**Received Diploma**

Graduated with honors as a DAP Graduate and #8 in a graduating class of 500

2001 Fall Semester  St. Mary's University   San Antonio, Tx

2002 Spring-2003 Fall  The University of Texas Pan American Edinburg, Tx

Cumulative  GPA: 3.455

**Currently A Jr. Electrical Engineering Student**

Expected Graduation: May 2005

**Courses Taken**

Calculus 1-3, Physics 1&2, Math for Electrical Engineers, Digital Systems, Circuit Analysis, Intro to Engineering, Computer Science 1 C++, Chemistry 1, Engineering Graphics and Design, Differential Equations, Integral Transforms and I am currently taking Electronics 1, Circuit Analysis 2, Microprocessor Programming, Electromagnetic Engineering and Jr. Lab 1.

**Tools Used, & Special Skills**

PSPICE, MATLAB, Logic Aid, Borland C++ compiler, Microsoft Visual Studios, Word, Excel, PowerPoint, Front Page, Breadboard, Oscilloscopes, Multimeters, Function Generators, Soldering, Etch PCBs, Orcad.

**Work experience**

September-2002 to current date   University of Texas Pan American Edinburg, Tx

**Assistant**

Helped make Cat 5 Connector Cables, graded papers, took inventory of a networking lab and I am helping to create a digital lab manual.

November-April 2002-2003    IEEE Chapter Edinburg, Tx

**Robotics Team Member**

Volunteered to work on a line tracking robot that also could read symbols to take the shortest path. Helped on the design, testing, and implementation of sensors used to track line and detect symbols and h-bridges used to control motors.

**Extracurricular activities**

Currently I'm an active member of SHPE, NHS and IEEE. I regularly attend and help out at fundraisers, meetings, conferences, and functions. I was also elected treasurer of our IEEE chapter in May which was a huge honor for me. And I also participate in intramural football.

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# Rey Benavidez

**Objective**

Seeking a summer internship position, to expand my knowledge and experience as an Electrical Engineer. As well as contributing, as much as possible into your corporation throughout the duration of my internship.

**Education**

| University of Texas-Pan American | 2001 - Present | Edinburg, TX |
| --- | --- | --- |

- Major: Electrical Engineering          Minor: Mathematics
- Spring Semester GPA of 3.25 of a possible 4.0.
- Cumulative GPA of 3.25 of a possible 4.0.
- Electrical Engineering GPA of 3.389 of a possible 4.0.
- Currently seeking a Bachelor's Degree as an Electrical Engineer with intent of seeking an MBA and MEE post graduation

| Edinburg High School | 1997-2001 | Edinburg, TX |
| --- | --- | --- |

- National Scholar with a GPA of 94.3/100.
- Spanish Honor Society Member (1999-2001)
- National Honor Society Member(1999-2001)

**Relevant Coursework**

Digital Systems I & II, Electrical Circuits I & II, Electronics I, Numerical Communication and Data Visualization, Intermediate Physics I & II, Differential Equations, and Calculus I-III. Computer programming experience with VHDL, Microsoft Visual Basics C++, C++ Borland, and MATLAB. Currently enrolled in Electromagnetic Engineering, Microprocessor Programming, Digital Signal Processing, Intro to Image Processing, and Electrical Engineering Lab I.

**Job Experience**

**NVH (Noise Vibration Harshness) Engineer**

| May 19 – August 15, 2003 | Ford Motor Company | Dearborn, MI |
| --- | --- | --- |

- Developed and conduct a test methodology to determine the wind noise specification for the KBE Seal Interference Modeler.
- Conducted tests to consider how cheating of the door should be handled
- Conducted wind tunnel testing to verify the current strategy of including door deflection in the evaluation range was acceptable
- Developed a method for considering seal compression set with KBE seal mode process
- Developed and tested prototypes on test track that would reduce sones level inside vehicle

**Entertainment Consultant**

| February 25 – July 29, 2001 | Convergy's | Pharr, TX |
| --- | --- | --- |

- Helped DirecTV achieve the "10 million customers" mark.
- Helped over 50,000 customers in billing, activations, or technical troubleshooting.
- Achieved an overall quality rating of 100% in customer service.

**Extra-curricular Activities**

**Organization Affiliations**

- Society Hispanic of Professional Engineers (SHPE) - Vice Regional Student Representative (General) (2002-03') - Region V
- Society Hispanic of Professional Engineers (SHPE) – Electrical Engineering Student Representative (2003-04') – University of Texas- Pan American
- Third year member of the Institute of Electrical and Electronic Engineers (IEEE)

**Awards Received**

- Second Dean's List (Fall 2002-Current)
- Texas Scholar Award
- Presidential Education Award
- Venture Scholar Award
- Honorable Mention for the 2001 All-State Academic Football Team
- "E" Award in Math/History (2000 & 2001)

2502Benitez Donna, Tx. 78537     (956)461-2502        lucas49er@yahoo.com

# Moses Zamora

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**Objective**            To gain an internship in a field related to electrical engineering

**Work Experience**

**M. Rivas Food Store**          Donna, TX          1999-2001
Stocker
- Restocked shelves, organized counters
- Carried out food, merchandise, for customers

**Convergy's Corp.**           Pharr, TX          August 2001-Present
Entertainment Consultant
- Customer service agent for Directv.
- Have gained three promotions in 2 years

**August 2001-Present          University of Texas-Pan American**

**Education**
- Seeking B.S. in Electrical Engineering
- Ranked Senior in only 3$^{rd}$ year
- 3.213 Overall G.P.A.

**August 1997–May 2001          Science Academy of South Texas**
- Graduated Distinguished with overall GPA: 3.35
- School ranked 82$^{nd}$ in nation by US News and World Report
- Parliamentarian of Pan American Student Forum, largest and most active club on campus

**Tests**          **ACT:** 28 Verbal    30 Math    28 Composite
          **SAT:** 560 Verbal    710 Math    1270 Composite

**Achievements**
- Recipient *Society of Hispanic Professional Engineers Scholarship*
- Semifinalist in National Hispanic Recognition Program
- Recipient *UTPA Engineering Scholarship* 5 consecutive semesters

**Coursework**          -Completed all required math, including: Calculus I, II, & III; Math for
          Electrical Engineers, Differential Equations
          -Engineering coursework includes:
                    Numerical Computation and Data Visualization
                    Digital Systems I
                    Network Theory I and II
                    Electronics I
          -Currently enrolled in:          Engineering Lab I, Microprocessor Programming,
                    Electromagnetic Engineering, Electronics II

*graduate 2005*

# David Sanchez

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| | |
|---|---|
| *Objective* | To apply my leadership experience and course work in electrical engineering as an intern with a progressive engineering company. |
| *Education* | **University of Texas Pan American**<br>Electrical Engineering, to be conferred May 2005<br>G.P.A: <u>3.16</u> |
| *Experience* | **Private Math Tutor**        1/00-present<br>Private tutor student ranging from primary to collegiate math.<br><br>**UTPA Math Tutor**        1/00- 5/00<br>Tutor intermediate & college algebra, trigometry, pre-calculus, calculus to college students. |
| *Honors* | **Who's Who Amongst students in America's College & University** |

| *Scholarships* | | |
|---|---|---|
| | **Orphan Foundation of America** | Fall 01- Present |
| | **UTPA Excellent Scholarship** | Fall 02- Spring 03 |
| | **UTPA Student Retention Scholarship** | Fall 02- Spring 03 |
| | **NACME/NASA Research Scholarship** | Summer 02-Spring 03 |

| | | |
|---|---|---|
| *Extra- Curricular Activities* | **Society of Hispanic Professional Engineers** | Fall 03 |

| | |
|---|---|
| *Summer Programs* | **NACME/NASA Research at UTPA**<br>Worked with Matlab to enhance images which were distorted and used different types of methods to produce a proper image. |

| *Community Services* | | |
|---|---|---|
| | **South Padre Island Adopt a Beach Clean-up.** | Apr. 01, 02, 03 |
| | **Feast of Sharing**. | Nov. 01, 02 |

# Rene Alejandro Grado

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<u>Permanent Address</u>
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El Paso, TX 79915
(915) 594-8708

| | |
|---|---|
| **Objective** | Seeking an Internship in Hardware of Integrated Circuit Engineering/Manufacturing<br>Available May 2004 – Aug. 2004 |
| **Education** | **Bachelor of Science, Electrical and Computer Engineering – May 2005**<br>The University of Texas at Austin　　　　　　　　　　Overall GPA: 2.9/4.0 |
| **Related Courses** | Circuit Theory, Linear Systems and Signals, Digital Logic Design, Electronic Circuits, Intro. to Microprocessors, Electromagnetic Engineering, Solid-State Devices, Engineering Communication, Engineering Economics, and Data Structures |

**Experience**

05/03-Present　**Student Assistant, University of Texas at Austin – Austin, TX**
-LeaderShape – Texas Historian: Established and maintain a database which includes vital statistics necessary for continued financial support of the program
-Established and maintain a similar database for the Engineering Student Ambassadors
-As needed: Serve as lead coordinator for student staff.

01/03-05/03　**Lab Technician, University of Texas at Austin – Austin, TX**
-Designed and created functioning circuits used as models in Electronic Circuits course

06/96-08/02
(Summers)　**Assistant Manager, Willie's Remodeling – El Paso, TX**
-Oversaw the remodeling of various homes and businesses
-Managed business in absence of owner/general manager
-Supervised a crew of 10-12 employees
-Prepared electronic proposals and invoices
-Served as translator between clients and company

07/02-08/02　**Co-Owner/Manager, Jardin Los Mirasoles – El Paso, TX**
-Supervised the maintenance and upkeep of the ballroom
-Created meeting times to present property to future clients
-Designed advertisements for the business
-Managed events held at the property

05/02-08/02　**Assistant Stage Manager, Viva El Paso – El Paso, TX**
-Managed backstage area, managed full stage in absence of Stage Manager
-Managed design/build projects for props and set pieces

**Skills**

Technical:　Microsoft Office, Adobe Photoshop, MatLab, Windows 95-XP, P-Spice, FileMaker Pro LabVIEW, CodeWarrior, DOS-based and Macintosh computers, some UNIX.
CMOS, PMOS, NMOS Transistors, Time domain, Frequency Domain Signal Analysis.

Languages:　Machine/Assembly language code, C, and C++; Bilingual, fluent in English and Spanish

Other:　Great interpersonal communication skills, Established leadership and supervising skills, Excellent group/individual work ethics

**College Activities**
Engineering Student Ambassador
Graduate – LeaderShape-Texas, May 2003
Budget Committee Chair Regional Student Leadership Conference (RSLC)
Chair Member Society of Hispanic Professional Engineers (SHPE)
Member Pi Sigma Pi student organization (ΠΣΠ))

**Honors/ Awards**
Top seller among new recruits at Thermax – 2001
Presidential Achievement Scholarship Tier I – 2000

**Refrences**
Available upon request

*Summer*

# ALVARO MARTIN BARRIENTOS

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abarriento1@panam.edu

## OBJECTIVE

To obtain an internship in the field of Electrical Engineering, where previous "Hands On" experience and interpersonal skills will be refined and augmented.

## EXPERIENCE

2001-2003     Information Technology, UT Pan American     Edinburg, TX
**Electronic Communications Technician**
- **Install, upgrade, configure and maintain different OS and applications.**
- **Designing, implementing, auditing and managing information technology.**
- **Configure email clients to work with Exchange Server and POP3 accounts.**
- **Train faculty to resolve basic office software, email applications and account problems.**
- **Create and manage faculty, staff and student accounts.**

2000     Information Technology, UT Pan American     Edinburg, TX
**Laboratory Attendant**
- **Clarify faculty and students doubts about in-lab applications.**
- **Maintain and manage assigned lab (setup PCs/Macs, maintain printer, etc).**

1999     Escuela de Ciencias Computacionales (ECCO)     Reynosa, Mexico
**Computer Technician**
- **Resolve student questions about in-lab applications.**
- **Maintain lab computers (Format, install OS/Apps, change HDs, FDs, Network into Wingate terminal).**

## SKILLS

- **5+ years experience in installing, upgrading, repairing, maintaining and researching application software and hardware in multiple environments (Windows 95-XP, UNIX, Apple 7.5-X).**
- **Basic understanding of Microsoft networking fundamentals and the operational aspects of server-based systems.**
- **OS: Windows 95-XP, UNIX, Apple 7.5-X.**
- **Software: MS Word, Excel, PowerPoint, FrontPage, Access, Adobe Acrobat, Photoshop, Illustrator, PageMaker, Macromedia Flash, Corel Draw, Eudora, Outlook, Outlook Express, etc.**
- **Programming Languages: VSC++, Matlab, VHDL, PSPICE, ASM.**
- **Foreign Languages: Read/write/speak fluent Spanish. Read/speak French.**

## EDUCATION

1999-Present     University of Texas Pan American     Edinburg, TX
**Major: Electrical Engineering**     **GPA: 2.8**
**Minor: Computer Science**     **Expected Graduation: Dec 2004**

## INTERESTS

Robotics and Control Systems, computer architecture and programming, web design, music.

## EXTRACURRICULAR ACTIVITIES

**Active member of the Society of Hispanic Professional (SHPE), and IEEE.**